



CERAM-KOTE
PCF
CERAM-KOTE's
critical service
pipe coating formula.

Generic Type Ceramic polymer

Color Black

Temperature
 Up to 250°F depending on Service environment*. Consult Ceram-Kote's Technical Representative.

Applied Thickness
 10-15 mils (250-375 microns) DFT

Primary Applications
 Downhole tubing and casing, critical drill pipe service

Recommended Services
 Oil / Water / Gas Production
 Brine Injection / Disposal / Rod-pumping wells**

*As corrosive gas content increases, operating temperature decreases. Please consult technical representative when corrosive gases are present.
 **Rod-guides recommended if side load is >100 lbs.

Temperature	Pressure	Test Conditions	Time Period
200°F (93°C)	8,000 psi	8% NaCl in Tap Water/Toluene/Kerosene @ 1:1 15% Carbon Dioxide Gas 85% Methane Gas	18 hours
300°F (149°C)	5,000 psi	Synthetic Seawater 50/50 Kerosene/Toluene 100% Methane Gas	24 hours
194°F (90°C)	5,000 psi	Synthetic Seawater 50/50 Kerosene/Toluene/Methane Gas	24 hours
140°F (60°C)	750 psi	5% NaCl, 0.5% acetic acid in Tap Water 6% H ₂ S, 4% CO ₂ , 90% CH ₄	720 hours
140°F (60°C)	600 psi	1% NaCl/Distilled Water Toluene/Kerosene @ 1:1 1% Hydrogen Sulfide 1% Carbon Dioxide Gas 2% Compressed Air 95% Methane Gas	96 hours
122°F (50°C)	5,000 psi	Brine Water (NACE Standard) 100% Nitrogen	5 one hour cycles
250°F (121°C)	2,000 psi	8% NaCl in Tap Toluene/Kerosene @ 1:1 25% Hydrogen Sulfide 20% Carbon Dioxide Gas 55% Methane Gas	48 hours

CeRam-Kote PCF is a thin-film, spray applied ceramic polymer coating engineered to provide excellent chemical resistance and corrosion protection to Oil Country Tubular Goods. CeRam-Kote PCF is a highly modified resin system that has been heavily loaded with a unique package of ceramic particles enhancing its ability to perform well in a variety of aggressive environments. The formula is highly cross-linked to provide chemical resistance.

Acidizing Fluids

If well fluids are not hot and stimulation fluids are charged through the coated tubing in a short period of time, there is generally little effect if the fluids are flushed completely through the tubulars. However, some organic acids and solvents may have a detrimental effect on certain organic coating systems, especially as temperatures increase. If stimulation fluids are left in the tubing, they can reach formation temperature and cause accelerated attack on the coating. A CERAM-KOTE Technical Representative should be consulted when acidizing is contemplated.



Only licensed CeRam-Kote pipe coating facilities are authorized to apply CeRam-Kote PCF for the I.D. coating of Oil Country Tubular Goods.

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